



PETROLEUM ECONOMICS AND MANAGEMENT

APPLIED GRADUATE

Language: **English**

Duration: **16 months**

IFP School's Master's degree (or *Diplôme d'ingénieur spécialisé*) and possibly the partner institution's Master's degree (for double-degree track)



The energy transition aims to find substitutes for Oil & Gas by emphasizing on technological innovation. Nevertheless, the economic and financial challenges faced by these sectors cannot be ignored. Our Petroleum Economics and Management program will provide you with multifaceted expertise, recognized for the ability to fully grasp the economic challenges within the sector. You'll receive customized training developed in cooperation with renowned international academic partners, and you'll work within a multicultural environment that will advance your career on an international scale. Energize your potential!

PARTNER INSTITUTIONS

Double degree

- Colorado School of Mines (USA)
- Oklahoma University (USA)
- Texas A&M University (USA)
- Gubkin University National University of Oil & Gas (Russia)

Single degree

with company placement

- University of São Paulo (Brazil)
- University of Alberta (Canada)
- China University of Petroleum-Beijing (China)
- Audencia Business School (France)
- ESSEC Business School (France)
- Skolkovo Institute of Science and Technology (Russia)
- University of Dundee (UK)

Strategic or geopolitical dimensions, international nature, economic and financial issues, technological adventures, challenges of sustainable development and digitalization: these are a few facets of the world of energy. To ensure their development and to penetrate new markets, the companies in the energy sector need skillful professionals with global and strategic visions.

IFP School has therefore designed an excellence program based on international partnerships that are unanimously recognized in the field of energy economics and management. By joining our Petroleum Economics and Management program, you enhance your initial training through a cutting-edge curricula in oil, natural gas and electricity economics and management.

Multidisciplinary

Students of the program with eclectic backgrounds in business & economics, science & engineering, law & political science, etc.

International & diversity

Approximately 20 different nationalities from every continents & partnerships with more than 10 academic institutions worldwide. Mix of professionals (average of 5 years of professional experience) & fresh graduates.

Human-sized & tailor-made

40 participants in total and several elective courses through which the students can cover not only the Oil & Gas industry but the whole energy chain in depth (electricity, renewables & digitalization).

Techniques & business aspects

Combination of both engineering techniques and management science courses, in addition to real-world practical case-studies provided by industrial partners.

Worldwide careers

By joining this program, you will be a member of an international network. Alumni include Ministers (Ivory Coast, Peru, Spain, etc.), CEOs (BP Europe, DEA AG, Petronas, etc.), International organizations (European Parliament President, etc.) and many other top managerial positions in the energy industry.

CAREER OPPORTUNITIES

- Energy business & economics
- Strategic management & marketing
- Management consulting & analytics
- Energy finance, banking & trading
- Energy techniques & engineering



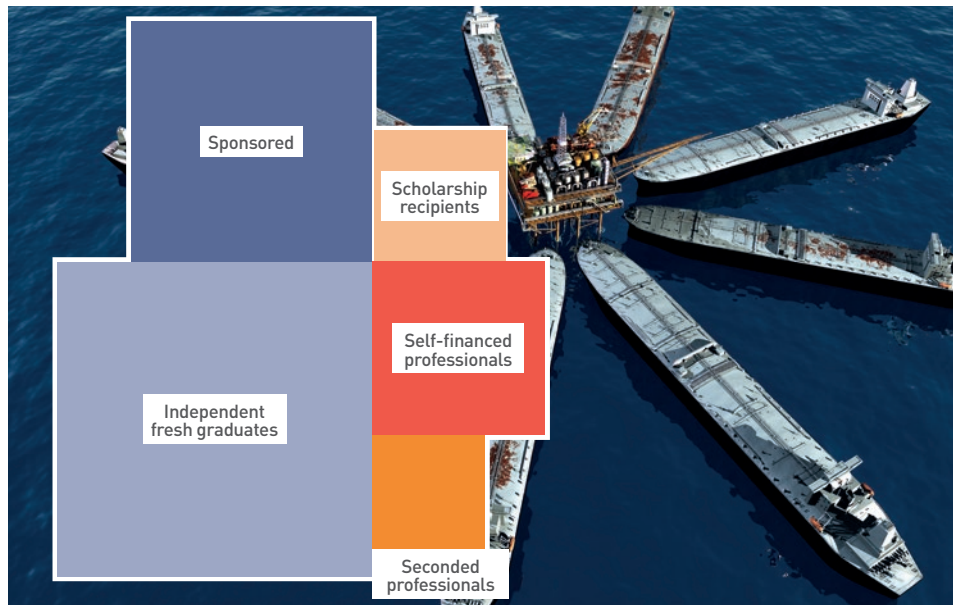
Find out more: www.ifp-school.com



TYPICAL CLASS PROFILE/ MAIN SPONSORS

Students in this program are either self-financed or sponsored by companies (through sponsorships or study leave) that finance their living expenses during their academic period and contribute towards their tuition.

Among these companies, the following have been IFP School partners in recent years (non-exhaustive list): Cepsa, Gazprom, PDVSA, Pemex, Perenco, Sasol, Saudi Aramco, Schlumberger, Total.



PROGRAM CONTENT

→ The courses at IFP School are built on 3 major themes

Business and management

- Business accounting
- Strategic management & marketing
- Consultancy project/term paper

Quantitative tools

- Efficiency analysis
- Decision science & optimization
- Financial econometrics & forecasting

Energy

- Energy geopolitics & global outlook
- Upstream management
- Project evaluation & portfolio management
- Mid- and downstream business
- Natural gas economics & management
- Electricity management & digitalization
- Environmental economics & renewables
- Energy markets & trading
- Petroleum engineering
- Refining & process engineering

→ Courses in the partner institutions

When attending two fall terms in one of the following institutions, successful students are awarded two degrees.

Colorado School of Mines

Courses in the MS Mineral and Energy Economics such as: micro/macro-economics, mineral asset valuation, energy economics, etc.

Texas A&M University

Courses in the M Eng in Petroleum Engineering such as: reservoir engineering, fluid flows, drilling, production, EOR, etc.

Oklahoma University

Courses in the MBA program such as: managerial economics, financial markets, negotiation and leadership, etc.

Gubkin University National University of Oil & Gas

Courses in the Master of Economics such as: micro/macro-economics, petroleum economics, mathematics and statistics, etc.

When attending the first fall term in one of the following institutions and doing a placement period of at least 4 months in a company/institution in accordance with their professional project (during the second fall term), successful students are awarded the IFP School Master's degree.

Courses at USP, Alberta, CUP-Beijing, Audencia, ESSEC, Skoltech, Dundee: for the fall term in the chosen partner institution, students are allowed to choose between all the graduate level courses available to them (core and elective courses) according to their professional/academic project. Students must refer to the partner institution's catalogues for course selection.

PROGRAM SCHEDULE

The two examples of schedules shown below correspond to the most frequently encountered cases for students in this program: 16-month program for students with a 4- or 5-year degree, with two terms on the partner's campus (CSM, OU, TAMU, Gubkin) to obtain a double-degree, or with one term on the partner's campus (all other partner institutions) and a placement period in a company for the IFP School single-degree track.

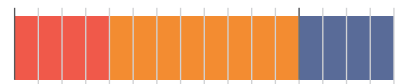
← 16 months →

Double-degree IFP School/Partner institution
(CSM, OU, TAMU, Gubkin)



← 16 months →

Single-degree IFP School with company placement
(USP, Alberta, CUP-Beijing, Audencia*, ESSEC, Skoltech, Dundee)



■ IFP School ■ Company ■ Partner institutions

* possibility of a joint-degree